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SEQUENCE LIATING
             Venta, Patrick J.
             Brewer, George J.
             Vilma, Yurbasiyan-Gurkan
             Schall, William D.
< 126> DNA ENCODING CANINE VON WILLEBRAND FACTOR AND METHODS
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Ser Met Tyr Ser Phe Ala Gly Asp Cys Ser Tyr Leu Leu Ala Gly Asp 50 60

Cys Gln Glu His Ser Ile Ser Leu Ile Gly Gly Phe Gln Asn Asp Lys 65 70 75 80

Arg Val Ser Leu Ser Val Tyr Leu Gly Glu Phe Phe Asp Ile His Leu 85 90 95

Phe Val Asr. Gly Thr Met Leu Gln Gly Thr Gln Ser Ile Ser Met Pro 100 105 110

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- Leu Tyr Asp Val Cys Ser Cys Ser Asp Gly Arg Asp Cys Leu Cys Ser 610 620
- Ala Val Ala Asn Tyr Ala Ala Ala Val Ala Arg Arg Gly Val His lie 625 630 635 640
- Ala Tip Arg Glu Pro Gly Phe Cys Ala Leu Ser Cys Pro Gln Gly Gln 645 650 655
- Val Tyr Leu Gln Cys Gly Thr Pro Cys Asn Met Thr Cys Leu Ser Leu 660 665 670
- Ser Tyr Pro Glu Glu Asp Cys Asn Glu Val Cys Leu Glu Ser Cys Phe 675 680 685
- Ser Pro Pro Gly Leu Tyr Leu Asp Glu Arg Gly Asp Cys Val Pro Lys 690 695 700
- Ala Gin Cys Pro Cys Tyr Tyr Asp Gly Glu Ile Phe Gln Pro Glu Asp 705 710 715 720
- The Phe Ser Asp His His Thr Met Cys Tyr Cys Glu Asp Gly Phe Met 725 730 735
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- Gly Leu Gla Cys Ala Lys Thr Cys Gla Ash Tyr Asp Leu Gla Cys Met 785 790 795 800
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- Ata Thr Sys Ser Ata ile Gly Mon Ata His Tyr Leu Thr Phe Asp Gly
- Leu Lys Tyr Leu Fhe Ero Gly Glu Cys Gln Tyr Val Leu Val Gln Asp 880 890
- Tyr Cys Gly Ser Asn Pro Gly Thr Leu Arg Ile Leu Val Gly Asn Glu 900 905 910
- Gly Cys Ser Tyr Pro Ser Val Lys Cys Lys Lys Arg Val Thr Ile Leu 915 920 925
- Val Glu Gly Gly Glu Ile Glu Léu Phe Asp Gly Glu Val Asn Val Lys 930 935 940
- Lys Pro Met Lys Asp Glu Thr His Phe Glu Val Val Glu Ser Gly Gln 945 950 955 960
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- Giu Leu Leu Gli Thr Cys Ile Asp Pro Glu Asp Cys Pro Val Cys Glu 1185 - 1190 - 1195 - 1200
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- Ser Asp Pro Glu His Cys Gln ile Cys Asn Cys Asp Gly Val Asn The 1220 1225 1230
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- Lys Val Phe Val Val Gly Met Met Glu His Leu His Ile Ser Gln Lys 1300 1305 1310
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- Ile Glu Leu Lys Asp Arg Lys Arg Pro Ser Glu Leu Arg Arg Ile Thr 1330 1340
- Ser Sin Val Lys Tyr Ala Gly Ser Glu Val Ala Ser Thr Ser Glu Val 1345 1350 1355 1360
- Let Lys Tyr Thr Let Phe With the Phe Wly Lys II. Asp Ar: Fix With Lys II. Asp Ar: Fix With Lys II.
- Ala Der Ard II. Ala Den Ien Ien Met Ala Der Hin die Er Der Ard Ien. 188
- Leu Alá Arg Ash Leu Val Arg Tyr Val Gln Gly Leu Lys Lys Lys 1470 1475
- Val Nio Val Nio Pro Val Mly Nio Sly Fre His Ala Ser Les Nys Un. 141

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n Arg Met Asp Val Gly Gl
n Asp Arg Ile His 1525 \$1530\$ 1535
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- His Ala Asn Val Gln Glu Leu Glu Lys Ile Gly Trp Pro Asn Ala Pro 1635 1640 1645
- lle Leu Ile His Asp Phe Glu Met Leu Fro Arg Glu Ala Pro Asp Leu 1650 1660
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- Asp Gly Cer Ser Ser He Pro Ala Ser Tyr Phe Asp Glu Met Lys Ser 1705 1719
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Ala Val Ary Tyr Va. Thr der Glu Val His Gly Ala Arg Pro Gly Ala 1741 1745 1746

Ser Lys Ala Val Val IIe Leu Vai Thr Asp Val Ser Val Asp Ser Val 1800 1805

Asr Ala Ala Ala Glu Ala Ala Arg Ser Asr Arg Val Thr Val Fhé Pro 1810 - 1820

Ile Gly Ile Gly Asp Arg Tyr Ser Glu Ala Gln Leu Ser Ser Leu Ala 1825 - 1830 - 1835 - 1840

Gly Pro Lys Ala Gly Ser Asn Met Val Arg Leu Gln Arg Ile Glu Asp 1845 1850 1855

Leu Pro Thr Val Ala Thr Leu Gly Asn Ser Phe Phe His Lys Leu Cys 1860 1865 1870

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Ser Jer Thr Arg His Ile Val Thr Phe Asp Gly Gln Asn Fhe Lys Leu 1955 1960 1965

The Gly Ser Cys Cer Tyr Val Leu Phe Gle Ash Lys Blu Gle Asp Leu 187

Cys Met Lys Ger IIA Glu Val Lys His Asp Gly Leu Ger Val Glu Leu 2005 2010 2015

His Ger Asp Met ollm Met Thr Val Asp Sly Ard Leu Val der IIe fre

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- Ile Leu Arg Asp Gly Thr Val Thr Thr Asp Trp Lys Ala Leu Ile Gir. 2100 2105 2110
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- Ala Met Cys Gln Pro Asp Ser Cys His Pro Lys Lys Val Cys Glu Ala 2165 2170 2175
- Ile Ala Leu Tyr Ala His Leu Cys Arg Thr Lys Gly Val Cys Val Asp \$2180\$ \$2185\$ \$2190
- Trp Arg Arg Ala Asn Phe Cys Ala Met Ser Cys Pro Pro Ser Leu Val 2195 2200 2205
- Tyr Asn His Cys Glu His Gly Cys Pro Arg Leu Cys Glu Gly Asn Thr 2210 2215 2220
- Ser Ser Cys Gly Asp Gln Pro Ser Glu Gly Cys Phe Cys Pro Pro Asn 2225 2230 2235 2240
- Gln Val Met Leu Glu Gly Ser Cys Val Pro Glu Glu Ala Cys Thr Gln 2245 2250 2255
- Cys Ile Ser Glu Asp Gly Val Arg His Gln Phe Leu Glu Thr Trp Val 2260 2265 2270
- Fro Ala His Win Pro Cys Sir lie Cys Thr Cys Leu Ger Hly Arg Lyc
- Val Abn. Type The lost Win Er. Type Er. The Ala Lyb Ala Er. The Type 12.40
- Uly Pro dys Elu Val Ala Ary Leu Ary Gir Ash Ala Val Gir Cys Cys 2305 2316 2316 2317
- From Structure Claritys Malicitys Asplican Malician Cycloser Learner English

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- For The Val See Cyc Fro Leu Sly Tyr Leu Ala See Ala Va. The Åsh -2405 -2415
- Asp Cys Sly Cys Thr Th: The Thr Cys Fho Pro Asi Lys Val Cys Val 2420 2425 2430
- His Ary Gly Thr Ile Tyr Pro Val Gly Gln The Trp Flu Gln Ala Cys 2435 2440 2445
- Asp Val Cys Thr Cys Thr Asp beu Glu Asp Ser Val Met Gly Leu Arg 2450 -2460
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- Phe Thr Tyr Val Leu His Glu Gly Glu Cys Cys Gly Arg Cys Leu Fro 2485 2490 2495
- Ser Ala Cys Glu Val Val Thr Gly Ser Pro Arg Gly Asp Ala Gln Ser 2500 2505 2510
- His Trp Lys Asn Val Gly Ser His Trp Ala Ser Pro Asp Asn Pro Cys 2515 2520 2525
- Lou :le Asn Glu Cys Val Arg Val Lys Glu Glu Val Fhe Va! Gin Gin 2530 2540
- Arg Asn Val Ser Cys Pro Glin Leu Asn Val Fro Thr Cys Pro Thr Gly 2545 2550 2560
- The Sln Leu Ser Cys Lys Thr Ser Slu Cys Cys Pro Thr Cys His Cys $2565 \\ 2570 \\ 2575$
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- Val. Fly Val. 11+ Jer Gly The Lys Let 31.1 May Arg Lys Thr Thr Tys 2610 . 62.7
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Ar; Val Thr Gly Cys Pro Pro The Asp Glu His Lys Cys Leu Ala Giu 2040 - 2040 - 2040

Gly Gly Lys Ite Met Lys Ite Fro Gly Thr Cys Cys Asp Thr Cys Glu 270% 2710 2715 2715

Glu Pro Glu Cys Lys Asp Ile Ile Ala Lys Leu Gln Arg Val Lys Val 2725 2730 2735

Gly Asp Cys Lys Ser Glu Glu Glu Val Asp Ile His Tyr Cys Glu Gly 2740 2750

Lys Cys Ala Ser Lys Ala Val Tyr Ser Ile His Met Glu Asp Val Gln 2755 2760 2765

Asp Gln Cys Ser Cys Cys Ser Pro Thr Gln Thr Glu Fro Met Gln Val 2°76 2775 2780

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